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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/694,518	10/27/2003	Rikin S. Patel	014208.1636 (93-03-019)	1895

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EXAMINER

CHOU, ANDREW Y

ART UNIT PAPER NUMBER

2192

DATE MAILED: 10/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/694,518	Applicant(s) PATEL, RIKIN S.	
	Examiner Andrew Y. Chou	Art Unit 2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>04/25/2005</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-30 have been examined. Claims 1, 8, 12, and 22 are the independent claims. The priority date recognized for this application is 10/27/2003.

Information Disclosure Statement

2. The Office acknowledges receipt of the Information Disclosure Statement filed on 04/25/2004. It has been placed in the application file and the information referred to therein has been considered by the examiner.

Oath/Declaration

3. The Office acknowledges receipt of a properly signed oath/declaration filed on 02/11/2003.

Claim Objections

4. Claims 2, 3, 5, 7, 9, 10, 13, 14, 19, 23, 24, and 29 are objected to because of the following informalities: Each claim contains an acronym that is not spelled out in any of the claims.

In line 2 of claim 2, the claim limitation recites "XML".

In line 2 of claim 3, the claim limitation recites "HTML".

In line 2 of claim 5, the claim limitation recites "IMS".

In line 2 of claim 7, the claim limitation recites "XML".

In line 2 of claim 9, the claim limitation recites "XML".

In line 2 of claim 10, the claim limitation recites "HTML".

In line 2 of claim 13, the claim limitation recites "XML".

In line 2 of claim 14, the claim limitation recites "HTML".

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In line 2 of claim 19, the claim limitation recites "XML".

In line 2 of claim 23, the claim limitation recites "XML".

In line 2 of claim 24, the claim limitation recites "HTML".

In line 2 of claim 29, the claim limitation recites "XML".

The acronyms in the above claims need to be spelled out, or defined because of the ambiguous nature of the acronyms. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-30 are rejected under 35 U.S.C 102(e) as being anticipated by Amys et al. US 2005/0120039 A1 (hereinafter Amys).

Claim 1:

Amys discloses a schema generator, comprising:

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a computer readable storage medium (see for example FIG. 3, page 4, [0050], and related text) computer software stored on the computer readable storage medium and operable to

parse a plurality of transaction definitions for a software system, wherein each transaction definition comprises one or more parameters (see for example page 2, [0029], FIG. 3, item 35, "transaction processor", and related text);

generate a plurality of schema definitions in response to the plurality of transaction definitions, wherein the schema definitions are written in a self-describing language (see for example page 2, [0024], FIG. 3, item 32, "transaction specification database", and related text);

wherein a first schema definition is operable to map the one or more parameters associated with a first transaction definition to a first document written in the self-describing language (see for example page 2, [0024], "transaction type, P.O. numbers", FIGs. 5 & 6, item 50, "retrieval processor", and related text); and

wherein a second schema definition is operable to map a second document written in the self-describing language to the one or more parameters associated with a second transaction definition (see for example page 2, [0024], "transaction type, invoice numbers", FIGS 5 & 6, item 50, "retrieval processor", and related text).

Claim 2:

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Amys further discloses the schema generator of claim 1, wherein the self-describing language comprises XML or any version thereof (see for example page 5, [0054], "XML").

Claim 3:

Amys further discloses the schema generator of claim 1, wherein the self-describing language comprises HTML or any version thereof (see for example page 5, [0054], "html").

Claim 4:

Amys further discloses the schema generator of claim 1, wherein the self-describing language comprises a language that employs hypertext (see for example page 5, [0054], "html").

Claim 5:

Amys further discloses the schema generator of claim 1, wherein the software system comprises an IMS system (see for example FIG. 2, and related text).

Claim 6:

Amys further discloses the schema generator of claim 1, wherein the transaction definitions are associated with a message format service (see for example FIG. 3, item 35, and related text).

Claim 7:

Amys further discloses the schema generator of claim 6, wherein the self-describing language comprises XML or any version thereof (see for example page 5, [0054], "XML").

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Claim 8:

Amys discloses a method for generating a plurality of schema definitions, comprising:

parsing a plurality of transaction definitions for a software system, wherein each transaction definition comprises one or more parameters (see for example page 2, [0029], FIG. 3, item 35, "transaction processor", and related text);

generating a plurality of schema definitions in response to the plurality of transaction definitions, wherein the schema definitions are written in a self-describing language (see for example page 2, [0024], FIG. 3, item 32, "transaction specification database", and related text);

wherein a first schema definition is operable to map the one or more parameters associated with a first transaction definition to a first document written in the self-describing language (see for example page 2, [0024], "transaction type, P.O. numbers", FIGs. 5&6 ,item 50, and related text); and

wherein a second schema definition is operable to map a second document written in the self-describing language to the one or more parameters associated with a second transaction definition (see for example page 2, [0024], "transaction type, invoice numbers", FIGs. 5 & 6, item 50, and related text).

Claim 9:

Amys further discloses the method of claim 8, wherein the self-describing language comprises XML or any version thereof (see for example page 5, [0054], "XML").

Claim 10:

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Amys further discloses the method of claim 8, wherein the self-describing language comprises HTML or any version thereof (see for example page 5, [0054], "HTML").

Claim 11:

Amys further discloses the method of claim 8, wherein the transaction definitions are associated

with a message format service (see for example FIG. 3, item 35, and related text).

Claim 12:

Amys discloses a transaction processing system (see for example FIG. 3, and related text) comprising:

- a software service operable to receive a transaction request and to generate a first object associated with the transaction request (see for example FIG. 3, item 35, and related text);

- an object generator operable to convert the first object into a first document written in a self-describing language (see for example page 2, [0029], FIG. 3, item 35, "Parse incoming data"); and

- a document generator operable to convert the first document into a first transaction message according to a schema associated with a first transaction type determinable from the first document (see for example page 2, [0027], FIG. 3, item 35, "Process logging").

Claim 13:

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Amys further discloses the transaction processing system of claim 12, wherein the self-describing language comprises XML or any version thereof (see for example page 5, [0054], "XML").

Claim 14:

Amys further discloses the transaction processing system of claim 12, wherein the self-describing language comprises HTML or any version thereof (see for example page 5, [0054], "HTML").

Claim 15:

Amys further discloses the transaction processing system of claim 12, wherein the transaction generator is further operable to send the first transaction message to a message format service (see for example FIG. 3, item 35, and related text).

Claim 16:

Amys further discloses the transaction processing system of claim 12,
wherein the document generator is further operable to receive a second transaction message and convert the second transaction message into a second document according to a schema associated with a second transaction type determinable from the second transaction message (see for example page 5, [0054]);
and

wherein the second document is written in the self-describing language (see for example page 5, [0054], "XML").

Claim 17:

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Amys further discloses the transaction processing system of claim 16, wherein the object generator is further operable to convert the second document into a second object (see for example page 2, [0029]).

Claim 18:

Amys further discloses the transaction processing system of claim 17, wherein the software service is further operable to receive the second object in response to the transaction request (see for example page 2, [0029], lines 7-13, "electronic transaction").

Claim 19:

Amys further discloses the transaction processing system of claim 18, wherein the self-describing language comprises XML (see for example page 5, [0054], "XML").

Claim 20:

Amys further discloses the transaction processing system of claim 16, wherein the software service is further operable to receive the second document in response to the transaction request (see for example FIG. 3, items 36, 35, and related text).

Claim 21:

Amys further discloses the transaction processing system of claim 12, wherein the software service comprises a web service and wherein the definition of the first object has been published in a registry (see for example FIG. 3, item 31, "Life cycle index table", and related text).

Claim 22:

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Amys discloses a method for processing a transaction, comprising: receiving a transaction request;
generating a first object associated with the transaction request (see for example FIG. 3, item 36, "Input transaction data", and related text);
converting the first object into a first document written in a self-describing language language (see for example FIG. 3, item 35, "Parse incoming data", and related text);
and
converting the first document into a first transaction message according to a schema associated with a first transaction type determinable from the first document (see for example page 2, [0024], "transaction type, P.O. numbers", FIG. 3, item 32, "Transaction specification and schema", and related text).

Claim 23:

Amys further discloses the method of claim 22, wherein the self-describing language comprises XML or any version thereof (see for example page 5, [0054], "XML").

Claim 24:

Amys further discloses the method of claim 22, wherein the self-describing language comprises HTML or any version thereof (see for example page 5, [0054], "HTML").

Claim 25:

Amys further discloses the method of claim 22, further comprising:
sending the first transaction message to a message format service (see for example FIG. 3, item 35, and related text).

Claim 26:

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Amys further discloses the method of claim 22, further comprising:

receiving a second transaction message (see for example page 2, [0024], "invoice numbers");

converting the second transaction message into a second document according to a schema associated with a second transaction type determinable from the second transaction message (see for example page 2, [0024], "transaction type, invoice numbers", FIG. 3, item 36, "Input transaction data", and related text); and

wherein the second document is written in the self-describing language (see for example page 2, [0024], "invoice numbers", page 5, [0054], "XML").

Claim 27:

Amys further discloses the method of claim 26, further comprising: converting the second document into a second object (see for example page 2, [0024], "transaction type, P.O. numbers").

Claim 28:

Amys further discloses the method of claim 27, further comprising: receiving the second object in response to the transaction request (see for example FIG. 3, item 36, "Input transaction data", and related text).

Claim 29:

Amys further discloses the method of claim 28, further comprising: wherein the self-describing language comprises XML (see for example page 5, [0054], "XML").

Claim 30:

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Amys further discloses the method of claim 22, wherein the first object is generated by a web service and wherein the definition of the first object has been published in a registry (see for example FIG. 3, item 31, "Life cycle index table", and related text).

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Y. Chou whose telephone number is (571) 272-6829. The examiner can normally be reached on Monday-Friday, 8:00 am – 4:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached on (571) 272-3695.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273 8300.

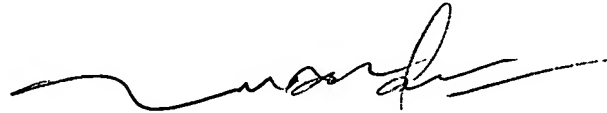
Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is (571) 272 2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For

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more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

AYC

A handwritten signature in black ink, appearing to read 'Tuan Dam', with a long horizontal stroke extending to the right.

TUAN DAM
SUPERVISORY PATENT EXAMINER